Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2016, Texas

Year	Coal	Natural Gas [a]	Petroleum						Hydro-electric Power [e,f]	Biomass		Geo-thermal [f]	Solar [f,i]	Retail Electricity Sales	Net Energy [f,j]	Electrical System Energy Losses [k]	Total [f,j]
			Distillate Fuel Oil	HGL [b]	Motor Gasoline [c]	Residual Fuel Oil	Other [d]	Total		Wood and Waste [f,g]	Losses and Co-products [h]						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million kWh				Million kWh				
1960	1,031	2,029	10,118	59,411	3,798	4,615	66,692	144,635	0	– –	– –	– –	NA	14,602	– –	– –	– –
1965	1,136	2,098	8,519	89,166	2,563	1,879	106,935	209,061	0	– –	– –	– –	NA	23,685	– –	– –	– –
1970	1,150	2,557	8,947	127,521	1,410	2,297	147,105	287,280	0	– –	– –	– –	NA	40,274	– –	– –	– –
1975	3,720	2,160	15,301	143,075	997	11,070	R 164,810	335,253	5	– –	– –	– –	NA	54,712	– –	– –	– –
1980	3,250	2,163	20,250	208,898	470	16,029	R 287,243	532,890	0	– –	– –	– –	NA	78,190	– –	– –	– –
1985	5,192	1,732	19,330	275,079	4,704	5,969	R 172,257	477,338	0	– –	– –	– –	NA	81,235	– –	– –	– –
1990	4,157	2,105	17,592	318,417	4,336	1,273	R 237,434	579,052	0	– –	– –	– –	(s)	84,087	– –	– –	– –
1995	4,255	2,188	19,960	410,810	3,944	2,459	R 235,068	672,241	0	– –	– –	– –	(s)	90,093	– –	– –	– –
1996	4,808	2,442	23,185	438,965	4,040	2,092	R 251,149	719,431	0	– –	– –	– –	(s)	95,308	– –	– –	– –
1997	4,766	2,351	21,893	488,141	4,236	1,847	R 277,381	793,498	0	– –	– –	– –	(s)	100,429	– –	– –	– –
1998	4,422	2,329	23,835	480,368	4,961	856	R 269,498	779,517	0	– –	– –	– –	(s)	102,702	– –	– –	– –
1999	4,397	2,146	21,472	483,872	2,501	635	R 253,955	762,435	0	– –	– –	– –	(s)	99,741	– –	– –	– –
2000	4,490	2,397	21,192	444,667	2,576	401	R 250,873	719,710	0	– –	– –	– –	(s)	101,588	– –	– –	– –
2001	4,439	2,316	20,895	418,137	4,632	519	R 248,577	692,761	0	– –	– –	– –	(s)	98,208	– –	– –	– –
2002	4,047	2,246	19,710	443,752	5,005	796	R 253,682	722,946	0	– –	– –	– –	(s)	102,251	– –	– –	– –
2003	4,132	2,134	19,587	452,845	5,244	1,408	R 266,532	745,616	0	– –	– –	– –	(s)	104,547	– –	– –	– –
2004	4,148	2,093	16,873	476,031	6,023	1,077	R 288,168	788,171	0	– –	– –	– –	(s)	100,588	– –	– –	– –
2005	4,082	1,628	20,031	436,864	5,766	3,537	R 273,886	740,083	0	– –	– –	– –	(s)	96,841	– –	– –	– –
2006	4,102	1,591	20,274	437,961	6,096	3,923	R 277,372	745,627	0	– –	– –	– –	0	104,689	– –	– –	– –
2007	1,868	1,612	22,582	457,680	4,580	3,121	R 236,494	724,457	0	– –	– –	– –	0	108,300	– –	– –	– –
2008	1,806	1,653	26,483	361,353	3,867	3,620	R 194,458	589,782	0	– –	– –	– –	0	105,868	– –	– –	– –
2009	833	1,537	19,793	375,233	3,802	3,408	R 186,878	589,113	0	– –	– –	– –	0	96,931	– –	– –	– –
2010	952	1,743	22,336	446,800	5,750	3,280	R 199,157	R 677,325	0	– –	– –	– –	0	99,754	– –	– –	– –
2011	956	1,781	30,405	439,412	6,035	4,548	R 198,409	R 678,809	0	– –	– –	– –	0	102,129	– –	– –	– –
2012	947	1,875	34,173	479,101	5,600	2,162	R 200,425	R 721,460	0	– –	– –	– –	0	94,517	– –	– –	– –
2013	1,002	1,934	32,751	519,144	6,098	1,626	R 214,991	R 774,610	0	– –	– –	– –	0	101,968	– –	– –	– –
2014	1,296	1,988	39,585	486,257	4,489	1,860	R 196,450	R 728,641	0	– –	– –	– –	0	109,165	– –	– –	– –
2015	951	R 2,023	27,448	538,107	R 3,682	1,242	R 197,884	R 768,364	0	– –	– –	– –	0	110,182	– –	– –	– –
2016	673	2,069	29,924	543,200	3,663	2,008	202,926	781,720	0	– –	– –	– –	0	113,403	– –	– –	– –
			Trillion Btu														
1960	24.4	2,100.3	58.9	247.3	19.9	29.0	401.8	757.0	0.0	23.9	NA	NA	NA	49.8	2,955.5	123.2	3,078.7
1965	29.0	2,175.3	49.6	370.0	13.5	11.8	630.4	1,075.3	0.0	30.7	NA	NA	NA	80.8	3,391.2	192.9	3,584.1
1970	30.7	2,626.3	52.1	476.4	7.4	14.4	857.1	1,407.5	0.0	44.6	NA	NA	NA	137.4	4,246.5	332.4	4,578.9
1975	77.7	2,224.0	89.1	529.1	5.2	69.6	R 959.6	1,652.6	0.1	47.2	NA	NA	NA	186.7	4,188.1	447.8	4,635.9
1980	63.3	2,229.7	118.0	785.6	2.5	100.8	R 1,662.3	2,669.1	0.0	41.6	NA	NA	NA	266.8	5,270.4	640.9	5,911.3
1985	85.4	1,799.3	112.6	1,004.8	24.7	37.5	R 1,016.7	2,196.4	0.0	48.7	(s)	NA	NA	277.2	4,407.1	634.8	5,041.9
1990	61.5	2,194.1	102.5	1,170.3	22.8	8.0	R 1,386.0	2,689.5	0.0	68.1	(s)	0.0	(s)	286.9	5,299.6	655.0	5,954.6
1995	63.7	2,280.6	116.2	1,513.7	20.6	15.5	R 1,369.3	3,035.2	0.0	83.4	0.0	0.0	(s)	307.4	5,770.3	719.2	6,489.5
1996	73.8	2,531.9	134.9	1,609.3	21.1	13.2	R 1,456.3	3,234.8	0.0	81.9	0.0	0.0	(s)	325.2	6,247.6	752.3	6,999.9
1997	74.1	2,421.8	127.4	1,783.2	22.1	11.6	R 1,604.8	3,549.1	0.0	89.1	0.0	0.0	(s)	342.7	6,476.9	791.9	7,268.8
1998	62.9	2,445.0	138.7	1,750.6	25.9	5.4	R 1,555.1	3,475.6	0.0	81.6	0.0	0.0	(s)	350.4	6,415.6	808.0	7,223.5
1999	62.6	2,227.0	124.9	1,772.4	13.0	4.0	R 1,467.1	3,381.5	0.0	65.7	0.0	0.0	(s)	340.3	6,077.0	798.5	6,875.5
2000	73.1	2,477.4	123.3	1,628.9	13.4	2.5	R 1,437.8	3,205.9	0.0	68.0	0.0	0.0	(s)	346.6	6,171.0	798.0	6,969.0
2001	75.5	2,370.5	121.6	1,527.3	24.2	3.3	R 1,434.1	3,110.3	0.0	55.9	0.0	0.0	(s)	335.1	5,946.5	738.4	6,684.9
2002	71.6	2,320.7	114.7	1,614.7	26.1	5.0	R 1,454.3	3,214.8	0.0	65.0	0.0	0.0	(s)	348.9	6,021.0	793.1	6,814.1
2003	72.5	2,195.6	114.0	1,652.9	27.3	8.9	R 1,527.6	3,330.6	0.0	60.1	0.0	0.0	(s)	356.7	6,015.6	775.6	6,791.1
2004	70.9	2,157.5	98.2	1,733.0	31.3	6.8	R 1,645.9	3,515.2	0.0	56.5	0.0	0.0	(s)	343.2	6,143.4	732.7	6,876.1
2005	70.1	1,673.6	116.5	1,588.7	30.0	22.2	R 1,568.4	3,325.9	0.0	55.8	0.0	0.0	(s)	330.4	5,455.8	719.3	6,175.0
2006	70.9	1,632.3	117.7	1,579.0	31.6	24.7	R 1,594.4	3,347.3	0.0	55.6	0.0	0.0	0.0	357.2	5,463.3	732.8	6,196.1
2007	40.4	1,654.3	130.6	1,648.0	23.6	19.6	R 1,360.8	3,182.7	0.0	58.9	0.0	0.0	0.0	369.5	5,305.8	756.7	6,062.5
2008	39.0	1,696.9	153.1	1,299.2	19.8	22.8	R 1,118.9	2,613.7	0.0	71.5	10.5	0.0	0.0	361.2	4,792.8	742.7	5,535.5
2009	17.1	1,574.6	114.4	1,327.4	19.4	21.4	R 1,071.8	2,554.4	0.0	45.3	9.2	0.0	0.0	330.7	4,531.3	683.1	5,214.4
2010	13.8	1,800.5	129.0	1,584.4	29.2	20.6	R 1,142.4	R 2,905.7	0.0	R 65.0	14.3	0.0	0.0	340.4	R 5,139.7	690.4	R 5,830.1
2011	19.5	1,831.2	175.6	1,518.8	30.6	28.6	R 1,136.9	R 2,890.5	0.0	R 69.9	17.3	0.0	0.0	348.5	R 5,176.7	708.1	R 5,884.8
2012	19.8	1,928.3	197.2	1,682.7	28.4	13.6	R 1,152.6	R 3,074.5	0.0	R 68.7	18.2	0.0	0.0	322.5	R 5,432.1	638.3	R 6,070.4
2013	21.6	1,981.1	188.9	1,837.2	30.9	10.2	R 1,232.8	R 3,300.0	0.0	R 71.0	11.1	0.0	0.0	347.9	R 5,732.8	697.2	R 6,430.0
2014	27.5	2,055.9	228.3	1,706.2	22.7	11.7	R 1,132.9	R 3,101.8	0.0	R 68.0	17.0	0.0	0.0	372.5	R 5,642.6	736.5	R 6,379.1
2015	20.4	R 2,094.8	158.3	1,911.3	R 18.6	7.8	R 1,143.2	R 3,239.2	0.0	R 66.7	19.7	0.0	0.0	375.9	R 5,816.8	717.5	R 6,534.4
2016	13.8	2,131.0	172.6	1,902.3	18.5	12.6	1,175.5	3,281.5	0.0	69.0	20.6	0.0	0.0	386.9	5,902.8	739.6	6,642.4

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[j] For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[k] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.